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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/735,401	12/12/2000	Eckhard Alt	IFD/046	4641
490 7:	590 05/16/2005		EXAMINER	
VIDAS, ARRETT & STEINKRAUS, P.A.			THALER, MICHAEL H	
6109 BLUE CIRCLE DRIVE SUITE 2000		ART UNIT	PAPER NUMBER	
MINNETONKA, MN 55343-9185			3731	
			DATE MAILED: 05/16/200	ς .

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/735,401	ALT, ECKHARD				
Office Action Summary	Examiner	Art Unit				
	Michael Thaler	3731				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timy within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 15 Ap	<u>oril 2005</u> .					
2a)⊠ This action is <b>FINAL</b> . 2b)☐ This	is action is non-final.					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 61,64,65 and 68-87 is/are pending in 4a) Of the above claim(s) 83 and 84 is/are with 5) Claim(s) is/are allowed. 6) Claim(s) 61,64,65,68-82 and 85-87 is/are reject 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	drawn from consideration.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) acce						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	• • • • • • • • • • • • • • • • • • • •					
Priority under 35 U.S.C. § 119		•				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive to (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)						
) Notice of References Cited (PTO-892)	4) Interview Summary					
P) Notice of Draftsperson's Patent Drawing Review (PTO-948) I) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	atent Application (PTO-152)				

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Claims 83 and 84 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP 821.03.

Claims 65, 68 and 76-82 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 65, line 8, there is no antecedent basis for "the flowpath".

Claims 61, 64, 65, 68-82, 86 and 87 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Purdy et al. (5,562,729). Purdy et al., in figure 24, disclose stent 102 which is inherently expandable since it is resilient as indicated in col. 8, line 36, which inherently maintains the patency of a bodily vessel since it supports it, having struts 150, which in a cross-section perpendicular to the flowpath have thicker portions (shown in the strut 150 closest to the viewer of the figure as being on the left and right portions of the strut and measured in a radial direction of the stent) with a narrower portion therebetween (due to the space which receives members 110 and 128) and have a greater width (as measured in a circumferential direction of the stent) than thickness (as measured in a radial direction of the stent). Alternatively, it would have been

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obvious that the Purdy et al. stent 102 maintains the patency of a bodily vessel since it supports it. As to claim 64, struts 150 have a serpentine configuration since they undulate up and down as they extend circumferentially around the stent. claim 65, struts 150 are curvilinear since they curve in the circumferential direction. Further, the struts 150 are disposed about a multiplicity of through-holes (the open spaces between the struts 150). As to claims 69 and 71, Purdy et al. disclose bands (band 110 and the band which forms struts 150) connected to one another via connector (the biocompatible material which immediately surrounds band 110 to embed band 110 therein and which is described in col. 8, lines 45-47 and which is shown in figure 20 and 24). As to claim 72, stent 102 has a taper near the top of struts 150 as seen in figure 24. As to claim 74, the outer diameter has a taper shown in figures 22 and 25 due to the (best shown in figure 22) which reduces the outer diameter in that area. As to claim 86, the stent 102 is open at both ends before the leaves 104 are attached thereto and even after the leaves are so attached when the leaves 104 open. Alternatively, it would have been obvious that stent 102 is open at both ends for these reasons.

Claim 86 is rejected under 35 U.S.C. 103(a) as being unpatentable over Andersen et al. (6,582,462) in view of Johnson

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(5,449,384). Andersen et al. disclose a stent 1 having struts (wires 2, 3). Andersen et al. fail to disclose the struts having a cross-section which includes a necked region. However, Johnson teaches that the struts 622 of a stent which holds a valve prosthesis should have this shape (figure 15) in order to obtain the advantage of better securing the aortic wall material to the stent by tucking the aortic wall material into the grooves of the struts (col. 5, lines 29-39). It would have been obvious to so shape the Andersen et al. struts so that it too would have this advantage. The width of the struts (measured from top to bottom in figure 15 of Johnson) is greater than their thickness (measured from left to right in figure 15 of Johnson).

Claim 85 is rejected under 35 U.S.C. 102(b) as being anticipated by Savin et al. (4,950,227). Savin et al., in figure 5, disclose an unexpanded stent 16 (The stent is unexpanded since it is not expanded to the condition shown in figure 6. Further, the term "unexpanded" is a product by process limitation. The patentability of a product does not depend on its method of production. If the product in a product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the product was made by a different process (M.P.E.P. 2113). In

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this case, the stent, as claimed, is certainly the same as or obvious from the stent shown in figure 5 of Savin et al.) formed from an open ended tube having a wall with a multiplicity of holes formed therethrough, the tubular wall defined by a plurality of struts, the stent tapering from the midpoint to each end of the stent at a substantially constant slope in relation to the longitudinal axis (as seen in figure 5).

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Applicant's arguments filed April 15, 2005 have been fully considered but they are not persuasive. The term "unexpanded" in claim 85 merely refers to the method in which the stent was or was not manipulated in the past and therefore involves a description of the method of manufacturing of the stent rather than a structural limitation.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS

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of the mailing date of this final action and the advisory action

is not mailed until after the end of the THREE-MONTH shortened

statutory period, then the shortened statutory period will

expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated

from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than

SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier

communications from the examiner should be directed to Michael

Thaler whose telephone number is (571)272-4704. The examiner

can normally be reached Monday to Friday.

If attempts to reach the examiner by telephone are

unsuccessful, the examiner's supervisor, Anhtuan T. Nguyen can

be reached on (571)272-4963. The fax phone number for the

organization where this application or proceeding is assigned is

(703)872 - 9306.

mht 5/12/05 MICHAEL THALER
PRIMARY EXAMINER

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